

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2011 to 2016) (Sem.-5)

PHARMACOLOGY-I

Subject Code : BPHM-503

Paper ID : [D1162]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students has to attempt any THREE questions.

SECTION-A**1. Write in brief for the following :**

- a. Neurotransmitter
- b. Phase I reactions
- c. Endogenous catecholamines
- d. Pharmacodynamics
- e. Inverse agonist
- f. Neuronal reuptake
- g. Antabuse
- h. Physiological antagonism
- i. Receptor
- j. Tachyphylaxis
- k. Pharmacogenetics
- l. Intrinsic activity
- m. Atropine
- n. Bioassay
- o. Volume of distribution

SECTION-B

2. Write short notes on :
 - a) History & scope of pharmacology
 - b) Newer antiepileptic agents
3. Write short notes on :
 - a) Enzyme inducers
 - b) Type A and B ADRs
4. Describe the clinical importance of plasma protein binding.
5. Write a note on extrapyramidal side effects of antiparkinsonian drugs.
6. Give an account on factors affecting drug absorption.

SECTION-C

7. Write down mode of action, side effects and therapeutic uses of the following :
 - a) Diclofenac
 - b) Phenytoin
8. Discuss the following :
 - a) SSRIs
 - b) Clinical uses of benzodiazepines
9. Discuss in detail the process of new drug development.
10. Discuss the rationale of the following :
 - a) Adrenoceptor antagonists for prostate hyperplasia
 - b) β blockers in cardiovascular disorders